

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY030923\
 Data File : VY012889.D
 Acq On : 09 Mar 2023 11:20
 Operator : KP/MD
 Sample : VY0309SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0309SBS01

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 03/10/2023
 Supervised By :Mahesh Dadoda 03/10/2023

Quant Time: Mar 10 00:27:38 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y030223S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 03 01:13:13 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	7.789	168	107701	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	163189	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	146494	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	75124	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	48919	45.747	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	91.500%		
35) Dibromofluoromethane	7.716	113	47273	48.001	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	96.000%		
50) Toluene-d8	10.179	98	163047	45.286	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	90.580%		
62) 4-Bromofluorobenzene	12.483	95	56873	46.801	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	93.600%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.906	85	23690	22.316	ug/l	99
3) Chloromethane	2.113	50	25920	20.424	ug/l	98
4) Vinyl Chloride	2.253	62	25169	21.628	ug/l	100
5) Bromomethane	2.643	94	14836	20.981	ug/l	92
6) Chloroethane	2.790	64	15139	21.722	ug/l	97
7) Trichlorofluoromethane	3.125	101	42151	21.808	ug/l	99
8) Diethyl Ether	3.534	74	14857	21.935	ug/l	97
9) 1,1,2-Trichlorotrifluo...	3.899	101	25046	21.538	ug/l	98
10) Methyl Iodide	4.088	142	31617	20.867	ug/l	99
11) Tert butyl alcohol	4.954	59	16577	124.696	ug/l	96
12) 1,1-Dichloroethene	3.875	96	24599	22.180	ug/l	90
13) Acrolein	3.729	56	17683	94.387	ug/l	100
14) Allyl chloride	4.478	41	41416	20.216	ug/l	97
15) Acrylonitrile	5.161	53	38449	107.734	ug/l	99
16) Acetone	3.948	43	42354	100.910	ug/l	100
17) Carbon Disulfide	4.192	76	77353	20.490	ug/l	100
18) Methyl Acetate	4.478	43	26071	20.858	ug/l	96
19) Methyl tert-butyl Ether	5.216	73	62307	21.750	ug/l	98
20) Methylene Chloride	4.716	84	31423	21.468	ug/l	98
21) trans-1,2-Dichloroethene	5.216	96	25150	20.867	ug/l	99
22) Diisopropyl ether	6.112	45	79479	21.360	ug/l	92
23) Vinyl Acetate	6.057	43	245062	105.995	ug/l	97
24) 1,1-Dichloroethane	6.021	63	45193	21.314	ug/l	99
25) 2-Butanone	6.984	43	56092	107.898	ug/l	98
26) 2,2-Dichloropropane	6.984	77	40279	21.389	ug/l	99
27) cis-1,2-Dichloroethene	6.984	96	27838	21.544	ug/l	100
28) Bromochloromethane	7.332	49	16559	21.370	ug/l	93
29) Tetrahydrofuran	7.344	42	34370	109.620	ug/l	98
30) Chloroform	7.508	83	45902	21.917	ug/l	99
31) Cyclohexane	7.789	56	40760	19.903	ug/l	92
32) 1,1,1-Trichloroethane	7.703	97	40761	21.521	ug/l	98
36) 1,1-Dichloropropene	7.917	75	35318	21.400	ug/l	99
37) Ethyl Acetate	7.076	43	22756	21.876	ug/l	99
38) Carbon Tetrachloride	7.899	117	38855	22.798	ug/l	95
39) Methylcyclohexane	9.185	83	41081	20.937	ug/l	98
40) Benzene	8.161	78	102855	22.032	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.307	41	11667m	20.818	ug/l	
42) 1,2-Dichloroethane	8.234	62	31754	22.624	ug/l	100
43) Isopropyl Acetate	8.270	43	40115	21.615	ug/l	98
44) Trichloroethene	8.941	130	27749	22.544	ug/l	98
45) 1,2-Dichloropropane	9.215	63	25784	21.854	ug/l	94
46) Dibromomethane	9.307	93	15244	22.679	ug/l	96
47) Bromodichloromethane	9.496	83	35766	22.580	ug/l	100
48) Methyl methacrylate	9.289	41	18442	21.566	ug/l	94
49) 1,4-Dioxane	9.301	88	4240	487.953	ug/l	90
51) 4-Methyl-2-Pentanone	10.069	43	114323	113.564	ug/l	99
52) Toluene	10.246	92	63272	22.473	ug/l	99
53) t-1,3-Dichloropropene	10.465	75	36919	22.221	ug/l	99
54) cis-1,3-Dichloropropene	9.929	75	41691	22.170	ug/l	98
55) 1,1,2-Trichloroethane	10.642	97	21635	23.112	ug/l	93
56) Ethyl methacrylate	10.508	69	27590	22.104	ug/l	98
57) 1,3-Dichloropropane	10.788	76	35647	22.358	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.782	63	71513	109.141	ug/l	99
59) 2-Hexanone	10.831	43	82762	113.118	ug/l	100
60) Dibromochloromethane	10.983	129	26069	22.878	ug/l	98
61) 1,2-Dibromoethane	11.087	107	20773	23.037	ug/l	98
64) Tetrachloroethene	10.721	164	23769	22.285	ug/l	97
65) Chlorobenzene	11.514	112	67538	21.967	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.587	131	25229	22.176	ug/l	99
67) Ethyl Benzene	11.593	91	117748	21.783	ug/l	99
68) m/p-Xylenes	11.703	106	91799	44.145	ug/l	99
69) o-Xylene	12.032	106	42596	21.948	ug/l	99
70) Styrene	12.044	104	73016	22.545	ug/l	100
71) Bromoform	12.209	173	17208	23.198	ug/l #	96
73) Isopropylbenzene	12.331	105	113571	21.331	ug/l	100
74) N-amyl acetate	12.142	43	34902	20.835	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.581	83	26257	21.939	ug/l	99
76) 1,2,3-Trichloropropane	12.629	75	19146m	21.342	ug/l	
77) Bromobenzene	12.605	156	28086	21.715	ug/l	97
78) n-propylbenzene	12.672	91	141707	21.588	ug/l	100
79) 2-Chlorotoluene	12.757	91	78706	21.574	ug/l	100
80) 1,3,5-Trimethylbenzene	12.812	105	94780	21.571	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.379	75	9552	22.062	ug/l	97
82) 4-Chlorotoluene	12.855	91	83250	22.045	ug/l	100
83) tert-Butylbenzene	13.074	119	81400	21.464	ug/l	98
84) 1,2,4-Trimethylbenzene	13.123	105	93491	21.760	ug/l	99
85) sec-Butylbenzene	13.251	105	123756	21.391	ug/l	100
86) p-Isopropyltoluene	13.367	119	101914	21.554	ug/l	100
87) 1,3-Dichlorobenzene	13.367	146	54675	21.918	ug/l	100
88) 1,4-Dichlorobenzene	13.446	146	54919	21.571	ug/l	99
89) n-Butylbenzene	13.696	91	94615	20.902	ug/l	99
90) Hexachloroethane	13.958	117	21089	21.414	ug/l	98
91) 1,2-Dichlorobenzene	13.739	146	48552	21.531	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.355	75	4445	22.981	ug/l	99
93) 1,2,4-Trichlorobenzene	15.007	180	28458	20.497	ug/l	99
94) Hexachlorobutadiene	15.111	225	17801	21.021	ug/l	96
95) Naphthalene	15.239	128	55991	20.124	ug/l	98
96) 1,2,3-Trichlorobenzene	15.422	180	25331	20.514	ug/l	99

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(#) = qualifier out of range (m) = manual integration (+) = signals summed

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